



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

C. Richter King, et al.

Serial No.: 07/110,791

Group:

Filed: October 21, 1987

Examiner:

For: A HUMAN GENE RELATED TO BUT DISTINCT FROM EGF RECEPTOR GENE

INFORMATION DISCLOSURE STATEMENT

The Honorable Commissioner
of Patents & Trademarks
Washington, D.C. 20231

Sir:

In compliance with the provisions of 37 CFR 1.97 - 1.99, the Applicant(s) enclose(s) herewith copies of references which are considered to be pertinent to the above-identified application with translations of any non-English language references, if such translation is readily available. The references are listed on the attached Form PTO-1449 as a convenience to the Examiner and the Patent and Trademark Office. However, neither this Statement nor the listing of the references on Form PTO-1449 should be construed as an admission by the Applicant(s) that these materials are prior art as to the Applicant(s). In addition, this Statement should not be construed as a representation that a search has been made or that no better disclosures exist.

The cited references are not necessarily a complete listing of all references known to Applicant(s). The listing includes only those references which, in the reasonable opinion of Applicant(s) or counsel, are relevant to the invention claimed in the above-identified application.

I.D. PG:dc
Folio: 50227
Date: 7/8/88

185
185
185
185
185

13

Land et al., Science, 222:771-778, 1983, discloses cellular oncogenes and multistep carcinogenesis.

Cohen et al., J. Biol. Chem., 255:4834-4842, 1980, teaches epidermal growth factor-receptor-protein kinase interactions.

Nishimura et al., Proc. Natl. Acad. Sci. U.S.S., 79:4303-4307, 1982 shows platelet-derived growth factor stimulates tyrosine-specific protein kinase activity in Swiss mouse 3T3 cell membranes.

Kasuga et al., Nature, 298:667-669, 1982, describes insulin stimulates tyrosine phosphorylation of the insulin receptor in a cell-free system.

Rubin et al., Nature, 305:438-440, 1983, teaches stimulation of tyrosine-specific phosphorylation in vitro by insulin-like growth factor I.

Yamamoto et al., Cell, 35:71-78, 1983, describes the erbB gene of avian erythroblastosis virus is a member of the src gene family.

de Klein et al., Nature, 300:765, 1982 shows a cellular oncogene is translocated to the Philadelphia chromosome in chronic myelocytic leukaemia.

Collins et al., Proc. Natl. Acad. Sci. U.S.A., 80:4813, 1983 teaches rearrangement and amplification of c-abl sequences in the human chronic myelogenous leukemia cell line K-562.

Limberman et al., Nature, 313:144, 1985, discloses amplification, enhanced expression and possible rearrangement of EGF receptor gene in primary human brain tumours of glial origin.

Lin et al., Science, 224:843, 1984 shows expression cloning of human EGF receptor complementary DNA: Gene amplification and three related messenger RNA products in A431 cells.

Rigby et al., J. Mol. Biol., 113:237, 1977 discloses labeling deoxyribonucleic acid to high specific activity in vitro by nick translation with DNA polymerase I.

Wahl et al., Proc. Natl. Acad. Sci. U.S.A., 76:3686, 1979 teaches efficient transfer of large DNA fragments from agarose gels to diazobenzyloxymethyl-paper and rapid hybridization by using dextran sulfate.

Downward et al., nature, 307:521-527, 1984 teaches close similarity of epidermal growth factor receptor and v-erb-B oncogene protein sequences.

Ullrich et al., Nature, 309:418-425, 1984, describes human epidermal growth factor receptor cDNA sequence and aberrant expression of the amplified gene in A431 epidermoid carcinoma cells.

Doolittle et al., Science, 221:275-277, 1983 describes simian sarcoma virus one gene, v-sis, is derived from the gene (or Genes) encoding a platelet-derived growth factor.

It is believed that none of the above references discloses or suggests the invention as defined in the instant application. The references are submitted, however, for consideration by the Examiner.

Respectfully submitted,

By: 

Paul Grandinetti
Registration No.: 30,754
HOLMAN & STERN, CHARTERED
2401 Fifteenth St. N.W.
Washington, D.C. 20009
(202) 483-2234

Applicant hereby petitions that any and all extensions of the term necessary to render this response timely be granted. Costs for such extension(s) and/or any other fee due with this paper, not fully covered by an enclosed check, may be charged to Deposit Acct. #03-2722.